



**United States Environmental Protection Agency
Region 9 Laboratory**

**1337 S. 46th Street Building 201
Richmond, CA 94804**

Date: 5/3/2012

Subject: Analytical Testing Results - Project R12S51
SDG: 12040D

From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2

To: Christopher Weden
Emergency Response Section
SFD-9-2

Attached are the results from the analysis of samples from the **Grey Eagle Mine February 2012 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Metals by ICP/MS



United States Environmental Protection Agency

Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804

Phone:(510) 412-2300

Fax:(510) 412-2302

Project Manager: Christopher Weden

Project Number: R12S51

Project: Grey Eagle Mine February 2012 Sampling

Emergency Response Section

75 Hawthorne Street

San Francisco CA, 94105

SDG: 12040D

Reported: 05/03/12 08:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
GE2-SW-10	1202028-01	Water	02/08/12 17:00	
GE2-SW-10-filtered	1202028-02	Water	02/08/12 17:00	02/09/12 15:07
GE2-SW-11	1202028-03	Water	02/08/12 16:15	02/09/12 15:07
GE2-SW-11-filtered	1202028-04	Water	02/08/12 16:15	
GE2-SW-12	1202028-05	Water	02/08/12 16:30	
GE2-SW-12-filtered	1202028-06	Water	02/08/12 16:30	02/09/12 15:07
GE2-SE-01	1202028-07	Water	02/08/12 13:05	02/09/12 15:07
GE2-SE-01-filtered	1202028-08	Water	02/08/12 13:05	02/09/12 15:07
GE2-SE-02	1202028-09	Water	02/08/12 13:20	02/09/12 15:07
GE2-SE-02-filtered	1202028-10	Water	02/08/12 13:20	02/09/12 15:07
GE2-SE-802	1202028-11	Water	02/08/12 13:25	02/09/12 15:07
GE2-SE-802-filtered	1202028-12	Water	02/08/12 13:25	
GE2-SE-03	1202028-13	Water	02/08/12 11:30	
GE2-SE-03-filtered	1202028-14	Water	02/08/12 11:30	02/09/12 15:07

SDG ID 12040D

Arsenic by method 200.8:

Results for full list metals were previously reported on 3/6/12. At that time arsenic was reported from method 200.7 (ICP/AES) analysis, as per the initial analytical request. Subsequently, at the request of Mindy Song, Ecology and Environment, these samples were reanalyzed using method 200.8 (ICP/MS) in order to achieve a lower reporting limit.

Work Order(s)

1202028



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202028-01									Water - Sampled: 02/08/12 17:00
Sample ID: GE2-SW-10									Metals by EPA 200 Series Methods
Arsenic	RE2	ND	U	0.50	ug/L	B2B0069	02/15/12	04/26/12	200.8/SOP507
Lab ID: 1202028-02									Water - Sampled: 02/08/12 17:00
Sample ID: GE2-SW-10-filtered									Metals by EPA 200 Series Methods
Arsenic	RE2	ND	U	0.50	ug/L	B2B0069	02/15/12	04/26/12	200.8/SOP507
Lab ID: 1202028-03									Water - Sampled: 02/08/12 16:15
Sample ID: GE2-SW-11									Metals by EPA 200 Series Methods
Arsenic	RE2	ND	U	0.50	ug/L	B2B0069	02/15/12	04/26/12	200.8/SOP507
Lab ID: 1202028-04									Water - Sampled: 02/08/12 16:15
Sample ID: GE2-SW-11-filtered									Metals by EPA 200 Series Methods
Arsenic	RE2	ND	U	0.50	ug/L	B2B0069	02/15/12	04/26/12	200.8/SOP507
Lab ID: 1202028-05									Water - Sampled: 02/08/12 16:30
Sample ID: GE2-SW-12									Metals by EPA 200 Series Methods
Arsenic	RE2	ND	U	0.50	ug/L	B2B0069	02/15/12	04/26/12	200.8/SOP507
Lab ID: 1202028-06									Water - Sampled: 02/08/12 16:30
Sample ID: GE2-SW-12-filtered									Metals by EPA 200 Series Methods
Arsenic	RE2	ND	U	0.50	ug/L	B2B0069	02/15/12	04/26/12	200.8/SOP507
Lab ID: 1202028-07									Water - Sampled: 02/08/12 13:05
Sample ID: GE2-SE-01									Metals by EPA 200 Series Methods
Arsenic	RE3	ND	U	0.50	ug/L	B2B0069	02/15/12	04/26/12	200.8/SOP507
Lab ID: 1202028-08									Water - Sampled: 02/08/12 13:05
Sample ID: GE2-SE-01-filtered									Metals by EPA 200 Series Methods
Arsenic	RE3	ND	U	0.50	ug/L	B2B0069	02/15/12	04/26/12	200.8/SOP507
Lab ID: 1202028-09									Water - Sampled: 02/08/12 13:20
Sample ID: GE2-SE-02									Metals by EPA 200 Series Methods
Arsenic	RE4	16		2.5	ug/L	B2B0069	02/15/12	04/26/12	200.8/SOP507
Lab ID: 1202028-10									Water - Sampled: 02/08/12 13:20
Sample ID: GE2-SE-02-filtered									Metals by EPA 200 Series Methods
Arsenic	RE3	18		2.5	ug/L	B2B0069	02/15/12	04/27/12	200.8/SOP507
Lab ID: 1202028-11									Water - Sampled: 02/08/12 13:25
Sample ID: GE2-SE-802									Metals by EPA 200 Series Methods
Arsenic	RE3	14		2.5	ug/L	B2B0069	02/15/12	04/27/12	200.8/SOP507
Lab ID: 1202028-12									Water - Sampled: 02/08/12 13:25
Sample ID: GE2-SE-802-filtered									Metals by EPA 200 Series Methods
Arsenic	RE3	14		2.5	ug/L	B2B0069	02/15/12	04/27/12	200.8/SOP507
Lab ID: 1202028-13									Water - Sampled: 02/08/12 11:30
Sample ID: GE2-SE-03									Metals by EPA 200 Series Methods
Arsenic	RE3	15		2.5	ug/L	B2B0069	02/15/12	04/27/12	200.8/SOP507
Lab ID: 1202028-14									Water - Sampled: 02/08/12 11:30



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Sample ID: GE2-SE-03-filtered

Arsenic	RE3	13		2.5	ug/L	B2B0069	02/15/12	04/27/12	200.8/SOP507
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Metals by EPA 200 Series Methods

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B2B0069 - 200 Series Digest - Metals, ICP/MS

Prepared: 02/15/12 **Analyzed:** 04/26/12

Metals by EPA 200 Series Methods - Quality Control

Blank (B2B0069-BLK3)

Arsenic	ND	U		0.5	ug/L					
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LCS (B2B0069-BS3)

Arsenic	38.5			0.5	ug/L	40.0	96	85-115		200
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Matrix Spike (B2B0069-MS6)

Source: 1202028-05RE2

Arsenic	41.6			0.5	ug/L	40.0	ND	104	70-130	20
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Matrix Spike (B2B0069-MS7)

Source: 1202028-10RE3

Arsenic	57.3			2.5	ug/L	40.0	17.5	100	70-130	20
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Matrix Spike Dup (B2B0069-MSD6)

Source: 1202028-05RE2

Arsenic	40.2			0.5	ug/L	40.0	ND	100	70-130	3	20
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Matrix Spike Dup (B2B0069-MSD7)

Source: 1202028-10RE3

Arsenic	54.7			2.5	ug/L	40.0	17.5	93	70-130	5	20
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Qualifiers and Comments

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.